Participant Questionnaire

Participant number: 3	Date: <u>18 We 202</u>
Location: BOXSCIA / IT	
HRC Study / Algorithms tested: HAMP-S STAP-P	PF HAMP-P
Study Conducted by:	
	2
Participant link lengths/dimensions: (meters, "spine" is pelvis to shoulder m	nidpoint, "shoulders" is shoulder to shoulder)
Spine Neck Shoulders - 32 Left Upper Arm Left Forearm 25	Right Upper Arm . 28 Right Forearm . 25
Participant joint diameter: (meters)	
Left Elbow . (O) Left Wrist . (O) Right Elbow . (O) Right Wrist . (O)	

Questions:

A. How safe did you feel? (0 is not safe at all, 5 is neutral, 10 is very safe)



- B. Do you think the robot hindered your motions during the task? (0 is robot completely prevented your motions, 5 is neutral, 10 is robot did not impede you motion)
- C. Did the robot perform logical motions? (0 is robot motions made no sense to you, 5 is neutral, 10 is robot motions made sense to you)
- D. What is your overall satisfaction with the HRC task? (0 is you would not work in this HRC cell again, 5 is neutral, 10 is you enjoyed working in this cell with the robot)

3	Data	
	Date:	
	3	3

For Task 1 (engine parts): (circle your answer to each question)

Task 1, Me	thod 1:		. 7000 - 250	1500 - 5 A						
Question A	A: (0 is not	safe at all,	5 is neutra	l, 10 is very	safe)					100
0	1	2	3	4	5	6	7	8	9	10
Question I	B: (0 is rob	ot complete	ely prevent	ed your mo	tions, 5 is r	neutral, 10 is	robot did	not imped	e you moti	on)
0	1	2	3	4	5	6	7	8	9	10
Question (C: (0 is rob	ot motions	made no s	ense to you	, 5 is neutra	al, 10 is robo	ot motions	made sens	e to you)	*
0	1	2	3	4	5	56	7	8	9	10
Question D	: (0 is you w	ould not wo	ork in this HF	RC cell again,	5 is neutral,	10 is you en	joyed worki	ng in this cel	I with the r	obot)
0	1	2	3	4	5	51	7	8	9	10

Task 1, Me	ethod 2:				·	= =				
Question	A: (0 is not	safe at all, 5	is neutral	, 10 is very	safe)	-				4
0	1	2	3	4	5	6	7	8	9	10
Question	B: (0 is rob	ot complete	ly prevent	ed your mo	otions, 5 is r	eutral, 10	is robot did	not imped	e you moti	on)
0	1	2	3	4	5	6	7	8	9	1 6
Question	C: (0 is rob	ot motions	made no se	ense to you	ı, 5 is neutra	al, 10 is rob	ot motions	made sens	e to you)	
O	1	2	B	4	5	6	7	8	9	10
Question D): (0 is you v	vould not wo	rk in this HF	C cell again,	5 is neutral,	10 is you er	njoyed worki	ng in this ce	ll with the re	obot)
0	1	2	3	4	5	6	1	8	9	10

Task 1, Me	ethod 3:	1.5	and the second of the second			lan sa				
Question	A: (0 is not	safe at all,	5 is neutral	, 10 is very	safe)					
0	1	2	3	4	5	6	7	8	9	1ø
Question	B: (0 is rob	ot complete	ely prevent	ed your mo	otions, 5 is r	eutral, 10	is robot did	not impede	e you motic	on)
0	1	2	3	4	5	6	7	8	9	<u>1</u> 6
Question	C: (0 is rob	ot motions	made no se	ense to you	, 5 is neutra	al, 10 is rob	ot motions	made sens	e to you)	
0	1	2	3	A	5	6	7	8	9	10
Question D	: (0 is you w	ould not wo	rk in this HR	C cell again,	5 is neutral,	10 is you e	njoyed work	ing in this cel	l with the ro	bot)
0	1	2	3	4	18	6	7	8	9	10

Comments: EXPERIENCE: [1-10] 9 [PESENTCHER)
for question D, in general the robot was too slow
so I had to want a lot in-between schools.
this is why my 1stry was low.
For wethood 2 some paths were too long,
For wethood 2 some piths were too long, of probably they made sense it foster speed though

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For Task 2 (Sharework parts: metal tabs, cylinders, pallets): (circle your answer to each question)

Task 2, Me	thod 1:											
Question A	A: (0 is not	safe at all,	5 is neutra	l, 10 is very	safe)					/		
0	1	2	3	4	5	6	7	8	9	16		
Question B	3: (0 is rob	ot complete	ely prevent	ed your mo	tions, 5 is	neutral, 10 i	s robot did	not imped	e you moti	on)		
0	1	2	3	4	5	6	7	8	9	10		
Question C	C: (0 is rob	ot motions	made no se	ense to you	, 5 is neutr	al, 10 is rob	ot motions	made sens	e to you)			
0	1	2	3	4	5	6	7	8	9	10		
Question D:	Question D: (0 is you would not work in this HRC cell again, 5 is neutral, 10 is you enjoyed working in this cell with the robot)											
0	1	2	3	4	5	6	7	8	9	10		

Task 2, M	ethod 2:						E		Committee of the Commit	
Question	A: (0 is not	safe at all,	5 is neutral	, 10 is very	safe)	. = :		Ne		. 15
0	1	2	3	4	5	6	7	8	9	1,0
Question	B: (0 is rob	ot complete	ely prevent	ed your mo	otions, 5 is r	neutral, 10 i	s robot did	not impede	you moti	on)
0	1	2	3	4	5	6	7	8	9	10
Question	C: (0 is rob	ot motions	made no se	ense to you	ı, 5 is neutra	al, 10 is rob	ot motions	made sepse	e to you)	
0	1	2	3	4	5	6	7	8	9	10
Question D	: (0 is you w	ould not wo	rk in this HR	C cell again,	5 is neutral,	10 is you en	joyed worki	ng in this cell	with the r	obot)
0	1	2	3	4	5	6	7	8	9	10

Task 2, Me	ethod 3:	*			10.70		5				
Question	A: (0 is not	safe at all,	5 is neutral	, 10 is very	safe)						
0	1	2	3	4	5	6	7	8	9	10	
Question	B: (0 is rob	ot complete	ely prevent	ed your mo	otions, 5 is i	neutral, 10 is	robot did	not imped	e you motic	on)	
0	1	2	3	4	5	6	7	8	9	10	
Question	C: (0 is rob	ot motions	made no se	ense to you	ı, 5 is neutr	al, 10 is robo	ot motions	made sens	e to you)		
0	1	2	3	, 4	5	6	7	8	9	10	
Question D	Question D: (0 is you would not work in this HRC cell again, 5 is neutral, 10 is you enjoyed working in this cell with the robot)										
0	1	2	3	4	5	56	7	8	9	10	

Comments:

in this case the robot award faster so it was a bit more enjoyable. I felt sewe even to the when the end effector passed very close to me foce becouse it conveniently stopped in-between me (don't know if it was interpled though)

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